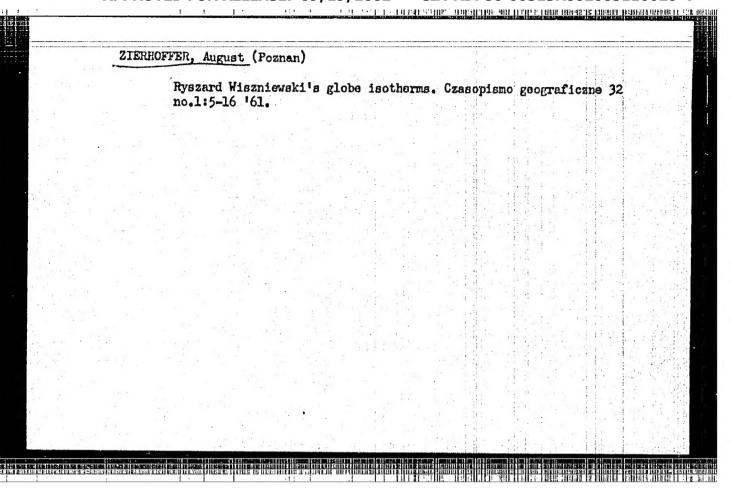
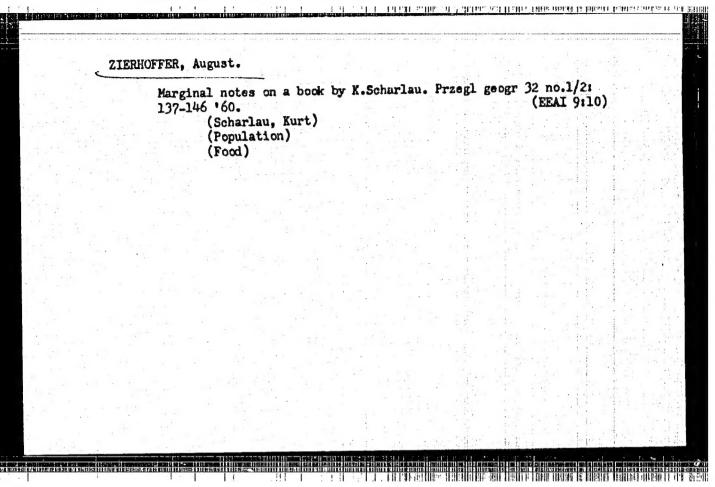
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ZIERHOFFER, KAROL.

Nazwy miejscowe polnocnego Maxowsza. (Wyd. 1.) Wroclaw, Zaklad im. Ossolinskich, 1957. 417 p. (Polska Akademia Nauk. Komitet Jezykoznawczy. Prace onomastyczne, 3.) (Place names of northern Masovia. 1st ed. fold. maps, bibl., footnotes, tables) NiDW Not in DLC Poland

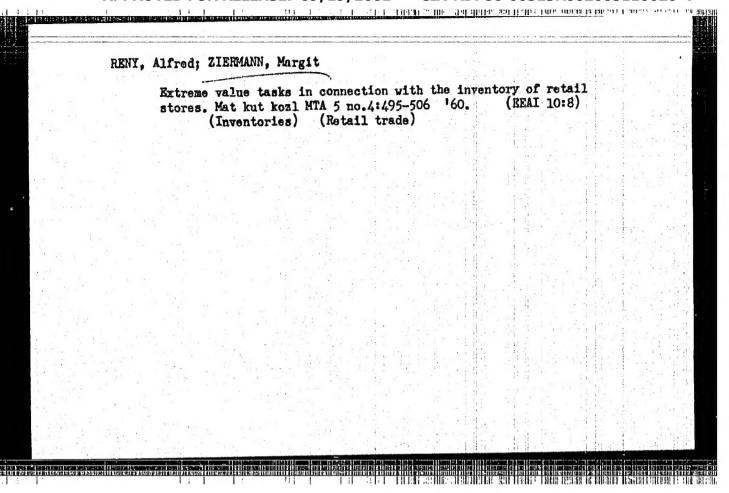
SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

STRMISKA, Gestmir, inz.; ZIERIS, Miroslav

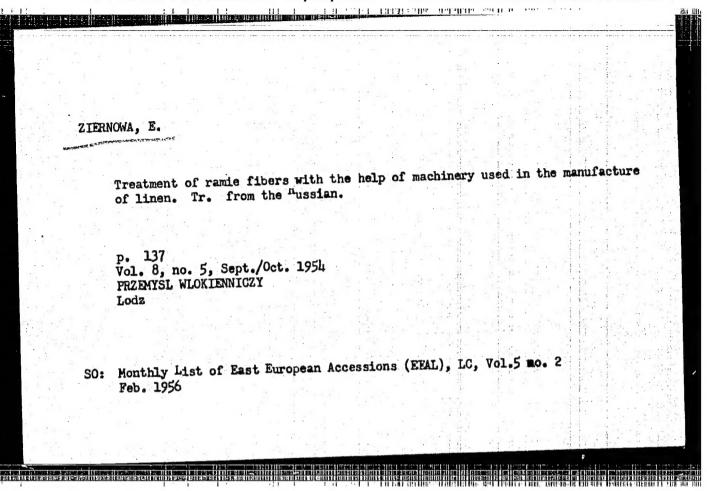
The BA 21 automatic packaging machine. Prum potravin 15 no. 71342-346 J1 '64.

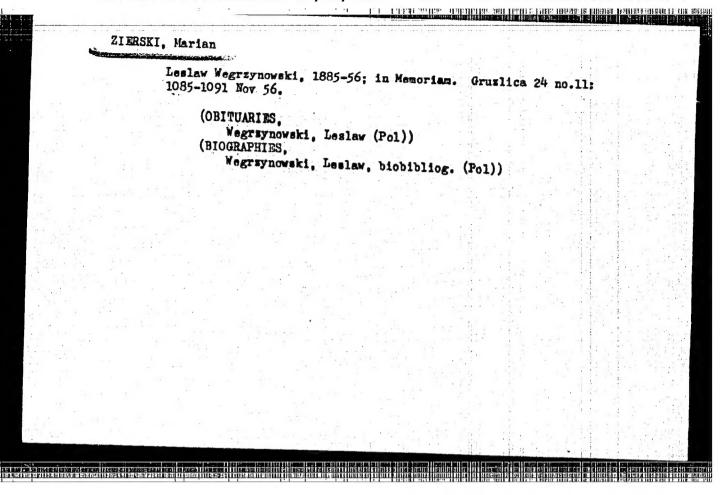
1. Zavody Vitezneho unora National Enterprise, Branch Enterprise 04, Fardubice.

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ZIERSKI, Marian, prof. dr. med.; ZACHARA, Ama

Chemotherapy in patients with pulmonary tuberculosis excreting bacilla resistant to antitubercular drugs. Gruzlica 32 no.11: 1019-1026 N 164

1. Z Katedry i Kliniki Ftizjatrii Studium Roskonalenia lekarzy Akademi Medycznej w Szpitalu im. dr. A. Sokolowskiego w Lodsi (Kierownik: prof. dr. med. M. Zierski).

ZIERSKI, Marian, BEK, Engenia; SIWINSKA, Irens; WOZNIAK, Stefenia

Che-year results of antibacterial therapy of recently discovered cavernous pulmonary tuberculosis. Gruzlica 32 no.2:97-105 F*64.

1. Z Katedry i Kliniki Ftizjatrii Studium Doskonalenia Lekarzy AM w Lodzi; Kierownik: prof.dr.med, M.Zierski.

ZIERSKI, Marian

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(ANTITUBERCULAR AGENTS ther)

ZIERSKI, Mariam; BUKALSKA, Zofia

Value of piperazine admide in the treatment of pulmonary tuberculosis. Gruzlica 29 no.8:709-719 Ag '61.

1. Z Klimiki Ftizjatrii Studium Doskonalenia Lekarzy AM w Szpitalu im. dr A. Sokolowskiego w Lodzi Kierownik: prof. dr med. M. Zierski.

(TUBERCULOSIS PULMONARY ther)
(PIPERAZINES ther)

ZIERSKI, Marian; BEK, Eugenia; STACHLEWSKA, Stanislawa; WANAT-KONDRATOWICZ, Wladyslawa; WOZNIAK, Stefania; ZACHARA, Anna

Evaluation of results of antibacterial therapy of patients with recently diagnosed pulmonary tuberculosis under clinical conditions. Gruzlica 32 no.8:621-625 Ag '64.

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Morphanzinamide (Piazolina) in the treatment of pulmonary tuberculosis. Gruzlica 32 no.3:205-215 Mr 164.

1. Z Katedry i Kliniki Ftizjatrii Studium Doskonalenia Lekarzy Akademii Medycznej w Szpitalu im. dr. A. Sokolowskiego w Łodzi (Kierownik; prof. dr. med. M. Zierski).

JUCHNIEWICZ, Mieczysław; MADEY, Jan; STOPCZYK, Jan; ZIERSKI, Marian

Altibacterial therapy in the plan for tuberculosis control in

Poland. Gruzlica 32 no.8:567-614 Ag '64.

ZIERSKI, Marian, prof. dr. med.; KWIEKCWA, Agnieszka; LESKIEWICZ, Halina

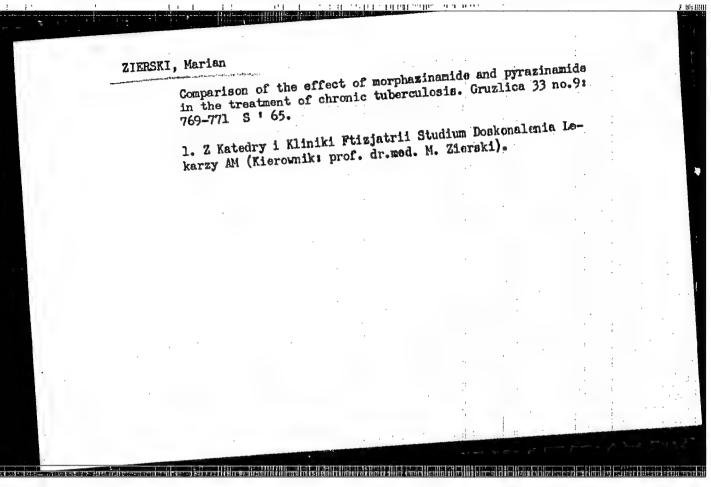
The status of infectious tuberculosis in Foland. Gruzlica 32 no.11 1949-959 N 164

1. Z Zespolu Nadzoru Specjalistycznego Instytutu Cruzlicy.

ZIERSKI, Marian Chronic bronchitis in patients with pulmonary tuberculosis.

Chronic bronchitis in patients with pulmonary tuberculosis. Gruzlica 33 no.5:417-420 My '65.

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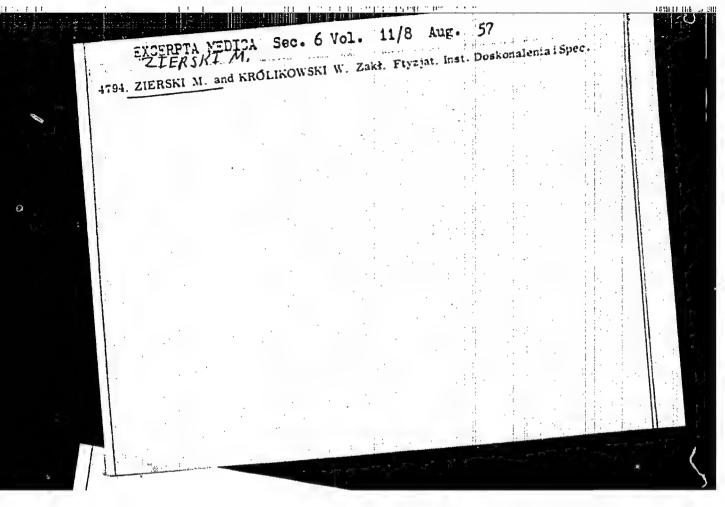


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On the metabolism of morphazinamide in the treatment of chronic pulmonary tuberculosis. Gruzlica 33 no.9:773-777 S ' 65.

1. Z Katedry i Kliniki Ftizjatrii Studium Doskonalenia Lekarzy AM (Kierownik: prof. dr. med. M. Zierski).



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Results of treatment of pulmonary tuberculosis in adults with antimicrobial drugs together with ACTH and cortisone. Gruzlica 25 no.5:269-286 May 1958

1. Z Kliniki Ftysjatrycznej w Lodzi Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich. Kierownik: doc dr med. M. Zierski. Adres: Lodž, ul. Barutowicza 37.

(TUBERCULOSIS, PULMONARY, ther.

ACTH & cortisone with antituberc. drugs, results (Pol))
(ACTH, ther. use.

tuberc., pulm., with antituberc. drugs (Pol))
(CORTISONE, ther. use
same (Pol))

ZIERSKI. Marian; BEK, Eugenia

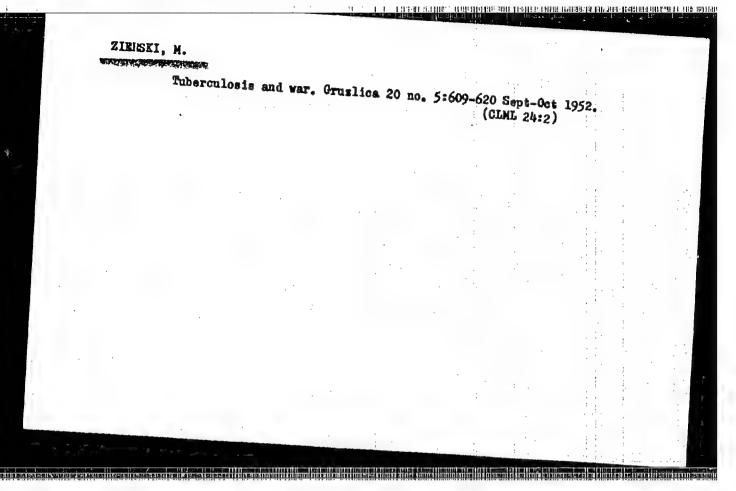
Pneumothorax treatment in case of early pulmonary tuberculosis.

Gruzlica 24 no.8:679-691 Aug 56.

1. Z Foradni Prseciwgruzliczej dla Młodziezy Akademickej i z
Kliniki Ftysjatrycznej Instytutu Doskonalenia i Specjalizacji
Kadr Lekarskich w Lodzi. Kierownik: doc. dr. med. N. Zierski.

(PNEUMOTHORAX, ARTIFICIAL, statist.

in early pulm. tuberc.)



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Antibiotics in preventive therapy of pulmonary tuberculosis. Gruzlica, Warsz. 19 no. 4:459-478 July-Aug. 1951 (CLML 21:3)

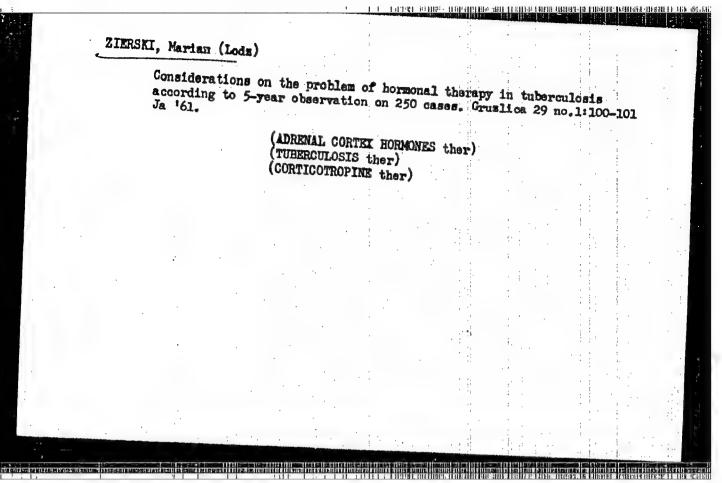
1. Of Municipal Lung Diseases Hospital No. 10 (Director-Marian Zierski, M. D.), Lodz.

ZIERSKi, M.

ZIERSKI M.

Gruelica i jej swalczanie warod mlodziesy akademickiej w Lodzi. _Tuberculosis control enong students in universities in Lodz/ Pediat. polska 23:7-8 Nov-Dec 49 p. 739.

1. Report presented at IX. Polish Anti-Tuberculosis Congress in Lods, Sept. 1949.



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KOLSUT, H.; ZIERSKI, M.

PAS therapy of pleural empyema. Gruzlica, Warssawa 18 no.2:226-230 Apr-June 1950. (CLML 20:7)

1. Of the National Institute of Tuberculosis Branch in Lodz and of Chojna Municipal Hospital-Sanatorium (Director-Harian Zierski, M.D.).

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ZIERSKI, Marian

Primary drug resistance of tubercle bacilli to basic antimicrobial drugs. Gruzlica 31 no.5:387-395 '63.

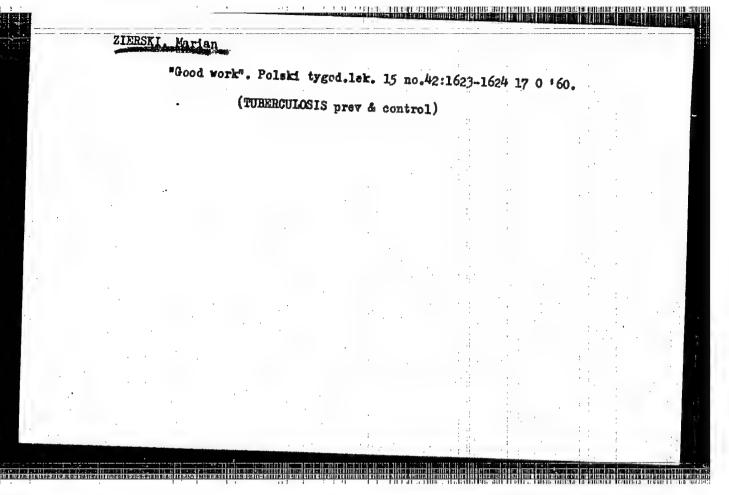
1. Klinika Ftizjatrii Studium Doskonalenia Iskarzy AM w Szpitalu im. dr A. Sokolowskiego w Lodzi Kierownik: prof. dr med. M. Zierski.

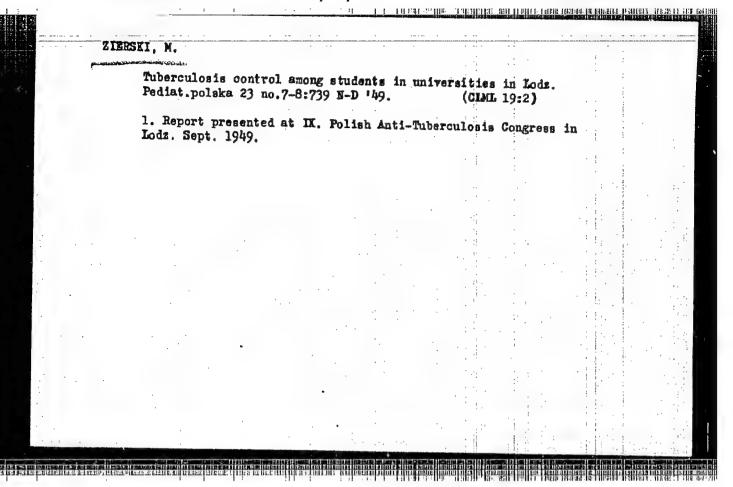
(MYCOBACTERIUM TUBERCULOSIS)
(DRUG RESISTANCE, MICROBIAL)
(STREPTOMYCIN) (AMINOSALICYLIC ACID)
(ISONIAZID) (STATISTICS)

ZIERSKI, Marian

Difficulties and possibilities in the treatment of advanced pulmonary tuberculosis at the present time. Gruzlica 30 no.6: 539-546 '62.

1. Z Katedry i Kliniki Ftizjatrii Studium Doskonalenia Lekarzy AM w Szpitalu Specjalistycznym im. dr A. Sokolowskiego w Lodzi Kierownik: prof. dr med. M. Zierski. (TUBERCULOSIS, PULMONARY) (THERAPEUTICS)





ZIERSKI, Marian (Lods, ul. Marutowicza 37)

Significance of mass radiological examination of university students.

Polski tygod. lek. 9 no.35:1108-1111 30 Aug 54.

1. Z Poradni Przeciwgruzliczej dla Młodziezy Akademickiej w Lodzi; kierownik; doc, dr Marian Zierski.

(TURERGULOSIS, PUIMONARY, prevention and control, mass x-ray of university students in Poland)

(UNIVERSITIES, mass chest x-ray of students in Poland)

ZIMESKI. Marian (Lods, ul. Marutowicza 37)

Development of pulmonary tuberculosis in adults. Polski tygod.

lek. 9 no.13;388-392 29 Mar 54.

1. Z Poradni Przeciwgruzliczej dlia młodziezu akademickiej i ze Szpitala dla gruzlicy im. dr A.Sokolowskiego w Lodzi, kierownik doc.

dr med. Marian Zierzki.

(TUMERCULOSIS, PULMOMARY, physiology, develop. in adults)

ZIERSKI, Marian (Lodz, Narutowicza 37.)

Indications for resection of the pulmonary tissue in tuberculosis; views of a phthisiologist. Polski tygod. lek. 12 no.39:1511-1514 Sept 57.

1. Z Kliniki Ftyzjatrcznej Instytutu Doskonalenia i Specjalizacji Kard Lekarskich w Lodzi; kierownik: doc. dr med. Marian Zierski. (PNEUCHONECTOMY, in var. dis. tuberc., indic. (Pol))

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CIA-RDP86-00513R002065110020-4

OKULICZ -JASINSKA, Halina; ZIERSKI, Marian

Effect of pyrazinamide on hemostatic factors of the organism.

Preliminary communication. Gruzlica 31 no.61657-661 Je163

1. Klinika Ftizjatrii SDL, Lodz.

EMESKI, Marian (Lodz, ul. Marutowicza 37/4)

Spidemiology of tuberculosis. Polski tygod. lsk. 9 no.16:498-501
19 Apr. 54.

(TUBERCULOSIS, epidemiology,)

KOLSUT, Halina; KOZLOWSKI, Henryk; ZIERSKI, Marian

Effect of various methods of the treatment with isonicotinic acid hydraside and with streptomycin on tuberculosis in guinea pigs. Gruslica 22 no.5:313-326 My '54.

1. Szpital Ftyzjatryczny im. dr A. Sokolowskiego w Lodzi. Kierownik: doc. dr med. M. Zierski. 2. Zaklad Anatomii Patologicznej Akademii Medycznej w Lodzi. Kierownik: prof. dr med. A. Pruszczynski. (TUBERCULOSIS, experimental.

*eff. of isoniazid & streptomycin)
(NICOTINIC ACID ISOMERS, effects,

*isoniazid, on exper. tuberc., alone & with streptomycin) (STREPTOMYCIN, effects.

*on exper. tuberc., alone & with isoniazid)

ZIERSKI, Marian

Lung resection in tuberculosis (phthisiologist's views). Postepy hig. med. dosw. no.2:17-22 '60.

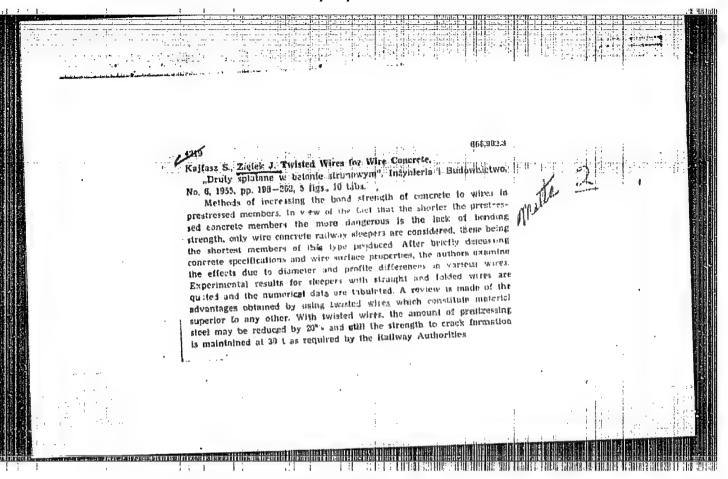
1. Z Kliniki Ftyziatrycznej Studium Doskonalenia Lekarsky i Szpitala Specjalistycznego im. dra A. Sokolowskiego w Lodzi.

(PNEUMONECTOMY)

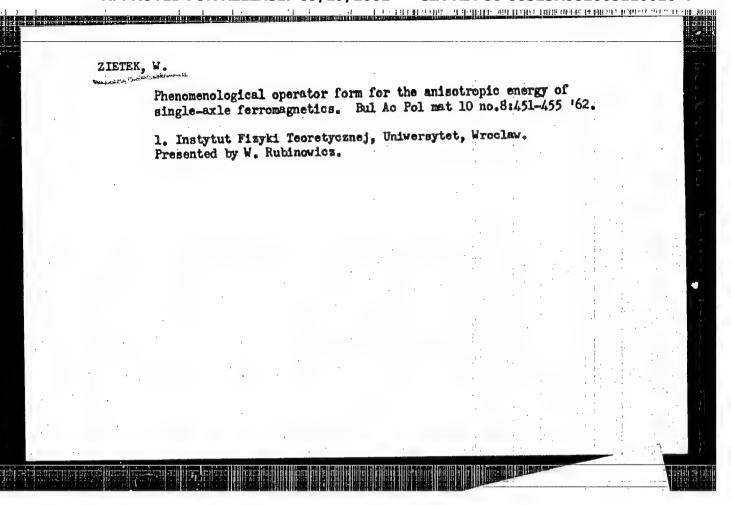
HORNUNG, Stanislaw; POLONCZYK, Mioczyslaw; DELOFF, Leonard; EERUBSKA, Barbara; GARNUSZEWSKI, Zbigniew; JAROSZEWICZ, Wiwa; JAWORSKI, Jan; MYSAKOWSKA, Helena; PARYSKI, Edwin; PECAK, Wladyslaw; PREGOWSKI, Wladyslaw; SOSNOWSKI, Waclaw; WESTFAL, Irena; ZIERSKI, Marian

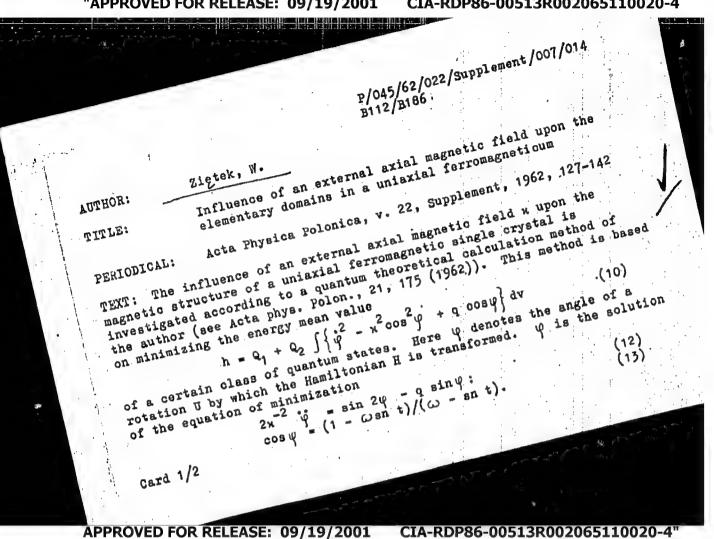
Primary resistance to basic antitubercular drugs in pulmonary tuberculosis patients observed in Poland during the period of 1961-1962. Gruzlica 32 no.8:629-636 Ag 164.

IETEK, J.						
Analysis of the pheno	menon of crosscrat	ks when pre	stressing	concrete ele	ments.	
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p. 351 (Insynieria I	Budownictwo. Vol.	14, no. 10,	Oct. 1957	, Warszawa,	Poland)	
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ZIETEK, W. Quantum theoretical derivative of the magnetic structure of anisotropic ferromagnetic monocrystals. Bul Ac Pol mat 9 no.31221-224 '61. 1. Instytut Fizyki, Universytet, Wroclaw, i Instytut Fizyki, Oddzial Wroclaw, Polska Akademia Nauk. Presented by W. Rubinowicz.





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ω is determined by the boundary conditions, which do not take into account the influence of the boundary domains of the single crystal. It is shown that an external magnetic field causes prevailingly a displacement of the Bloch walles in the interior of the crystal. The magnetization curve derived shows satisfactorily the well-known process of saturation. There are 6 figures.

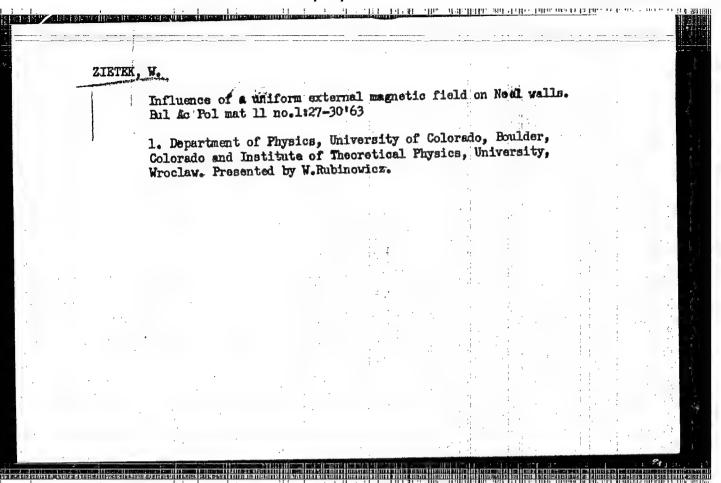
ASSOCIATION: Institut für Theoretische Physik, Universität Wrocław

(Institute for Theoretical Physics, University of Wrockaw)

SUBMITTED: April 9, 1962

Influence of an external axial

Card 2/2



ZIETEK, W.

On the magnetostatic self-energy in the quantum mechanical treatment of the ferromagnetic domain structures. Bul Ac Pol mat 11 no.4:187-192 '63.

1. Institute for Theoretical Physics, University, Wroclaw. Presented by W. Rubinowicz.

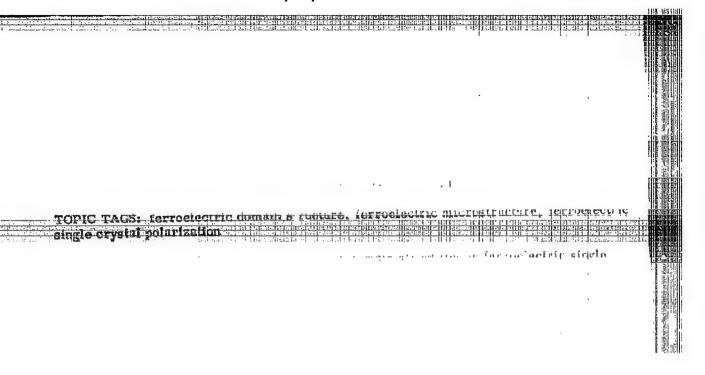
Domain structure of ferromagnetics in the light of experimental research. Postepy fizyki 14 no. 3: 307-348 '63.

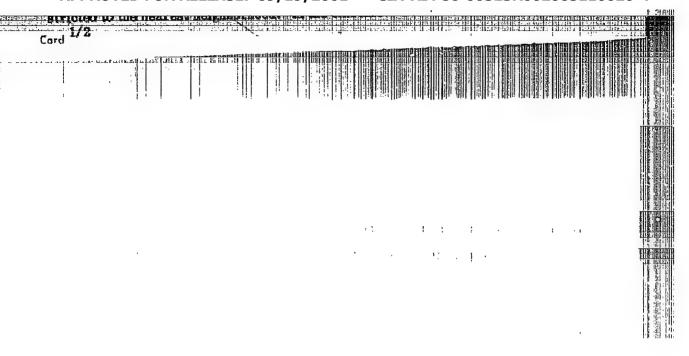
1. Instytut Metalurgii Zelaza, Gliwice (for Wyslocki).
2. Instytut Fizyki Teoretycznej, Uniwersytet, Wroclaw (for Zietek).

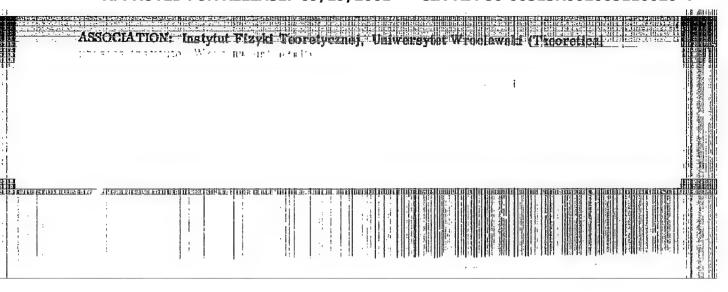
ZIETEK, Walerian

On Eloch walls in cubic ferromagnetic lattices. Pt.1. Acta physica Pol 25 no.1:117-138 Ja *64

1. Institute of Theoretical Physics, University, Wroclaw.



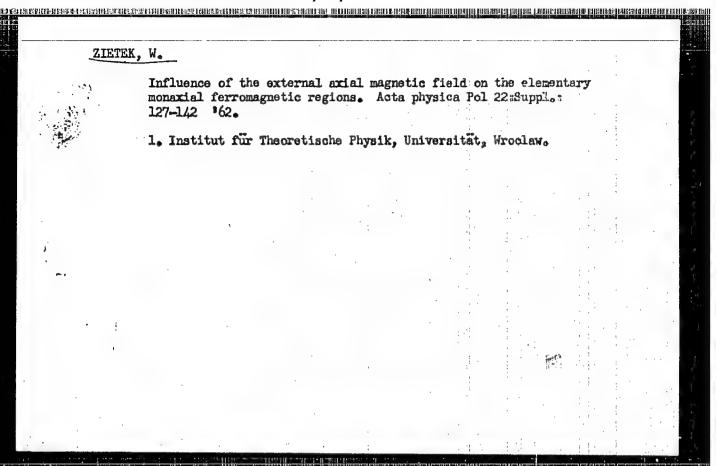




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SUB CODE: 20/ SURM DATE: 18Jan65/ OR 10 RE.	L 18814-66 ACC NR AP5022622 principle is derived for the case of an orthorhombic dipole-lattice, and the Euler-lattice is either remarkable or negligible (both in a specific sense). Effective lattice is either remarkable or negligible (both in a specific sense). Effective formulas are given for the thickness and energy of three types of inter-domain walls, formulas are given for the thickness and energy of three types of inter-domain walls, formulas are given for the thickness and energy of three types of inter-domain walls, formulas are compared with those obtained through conventional methods. and the results are compared with those obtained through conventional methods. Moreover, a satisfactory qualitative explanation of the influence of particular homogeneous lattice-deformations on the direction of polarization and type of domain structure can be given. Orig. art. has: h figures and 65 formulas. [Author's abstract.]	
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On the classic Landau-Lifschitz theory of magnetic structure of monoexial ferromagnetic monocrystals. Bul Ac Pol mat 10 no.5:317-324 '62. 1. Instytut Fizyki Teoretycanej, Universytet, Wroclaw. Presented by W.Rubinowicz.

Influence of the external vertical magnetic field upon the elementary regions in the uniaxial ferromagnetic. Pt. 1. Acta physica Pol 23 no.3:363-374 Mr '63. 1. Institut für Theoretische Physik, Universität, Wrocław.

Development of the views on the domain structure of ferromagnetics. Postepy fizyki 13 no.4:407-429 '62. 1. Instytut Fizyki Teoretycznej, Uniwersytet, Wroelaw i Instytut Fizyki, Polska Akademia Nauk, Wroelaw.

ZIETEK, Walerian

On magnetic structures in monoaxial ferromagnetic monocrystals. Acta physica Pol 22 no.1:37-64 Jl 162.

1. Institut für Theoretische Physik, Universität zu Wroclaw, und Physikalisches Institut der Polnischen Akademie der Wissenschaften, Abteilung Wroclaw.

\$/058/63/000/001/093/120 A160/A101

AUTHOR:

Zietek, W.

TITLE:

The classical theory of the magnetic structure of uniaxial forremagnetic single crystals, developed by Landau and Lifschitz

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 109, abstract 15735 ("Bull. Acad. polon. sci. math, astron. et phys.", no. 5, 1962,v10, 317 - 324, German; summary in Russian)

A more accurate calculation was carried out of the domain structure of a uniaxial ferromagnetic single crystal by the theory of Landau and Lifschits (L. Landau, E. Lifschitz "Phys. Zs. Sov.", 1935, 8, 153). It is shown that the obtained structure is similar to the domain structure calculated by the author previously on the basis of the quantum-mechanical method (Referativnyy shurnel, Fizika, 1962, 7E485).

[Abstracter's note: Complete translation]

Card 1/1

ZIETEK, Walerian

The magnetic structure of the anisotropic ferromagnetic monocrystal as a similar basic state. Acta physica Pol 21 no.2:175-184 F *62.

l. Institut für Theoretische Physik, Universität, Wroclaw, und Physikalisches Institut der Polnischen Akademie der Wissenschaften, Abteilung Wroclaw.

WYSIOCKI, B.; ZIETEK, W. New powder patterns on the surface of a Fe-Si-single-crystal. Acta physica Pol 21 no.4:433-437 Ap *62. 1. Institut für Eisemmetallurgie, Gliwice (for Wyslocki). 2. Institut für Theoretische Physik, Universität, Wroclau, und Physikalisches Institut, Polnische Akademie der Wissenschaften, Abteilung Wroclaw (for Zietek).

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ZIETEK, W.

Magnetic structures in a hexagonal lattice. Bul Ac Pol Mat 9 no.8: 599-604 '61.

1. Instytut Fizyki Teoretycznej, Uniwersytet, Wrocław i Instytut Fizyki, Oddział Wrocław, PAN. Vorgelegt von W. Bibliowicz.

33785 P/045/62/021/002/006/007 B137/B102

24,7100 (1153,1454,1136)

AUTHOR:

Zietek, Walerian

TITLE:

Magnetic structure of an anisotropic, ferromagnetic single crystal as an approach to the ground state

PERIODICAL: Acta Physica Polonica, v. 21, no. 2, 1962, 175 - 184

TEXT: A quantum-theoretical method for calculating the magnetic structure is presented, which can be applied to all ferromagnetic crystals with arbitrary lattice structure. The author proceeds from a general Hamiltonian which allows for isotropic Heisenberg exchange forces, anisotropic magnetic exchange interaction forces, and for magnetostriction anisotropic magnetic exchange interaction forces, and for magnetostriction. In particular, this Hamiltonian operator includes the multipole interaction with relevant exchange coupling constants and the form of the anisotropic, magnetic energy with the macroscopic anisotropy constants K_0 , K_1 , and K_2 , magnetic energy with the macroscopic anisotropy constants to the

which are written in operator form. The state that is closest to the which are written in operator form. The state that is closest to the ground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic single crystal and, conground state of an anisotropic, ferromagnetic structure is selected from the class of comgential structure is selected from the class of comgential structure quantum states by minimizing the mean value of the Hamilton Card 1/3

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Magnetic structure of an

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operator. The selection is carried out on the strength of the experimentally observed structures. For the sake of simplicity, the direction cosines of rotating spin vector are assumed to be constant throughout domains of the crystal. The mean energy is calculated by determining the mean value of the Hamilton operator in the class of states in question. This mean value is independent of the type and shape of the crystal. The angle of rotation of the spin vector is determined by the variational principle. For the purpose of calculating the magnetic structure, the crystal is decomposed into M domains. If the variation at the interfaces of these domains vanishes, one obtains M Euler-Lagrange equations which furnish the solution step by step. Continuity and differentiability depend on the boundary conditions at the surface of these domains. Professor Doctor S. Ingarden is thanked for valuable hints and discussions. There are 4 figures and 27 references: 11 Soviet-bloc and 16 non-Soviet-bloc. The four most recent references to Englishlanguage publications read as follows: van Vleck, J. H., Proc. Inst. Radio Engrs., 44, 1248 (1956); Phys. Rev., 78, 266 (1950); Conference on Magnetism and Magnetic Materials, Boston, 1956; Kittel, C., Rev. nod. Phys., 21, 541 (1949); Suppl. Nuovo Cimento, 6, 895 (1957); Dyson, F. J., Card 2/3

8/058/69/000/007/0511/008 A062/A101

24,2200

AUTHOR:

Zietek, W.

TITLE:

Magnetic structures in hexagonal lattices

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 7, 1962, 64, abstract 7F485 ("Bull. Acad. polon. sei. Ser. sei. math., astron. et phys.", 1961,

9, 599 - 604, German; Russian summary)

On the basis of a previously treated method (MZhFiz, 1962, 3E511) a quantum-mechanical calculation of the domain structure of an ideal anisotropic ferromagnetic crystal having a hexagonal lattice is carried out. The results obtained by the author appear to be a certain generalization of known works by Bloch (Bloch, F., "Z. Phys.", 1932, 74, 295) and L. D. Landau and Ye. M. Lifshitz (Landau, L., Lifshitz, Ye., "Phys. Z. Sovietunion", 1935, 8, 153).

[Abstracter's note: Complete translation]

Card 1/1 * 3/058/62/000/003/073/092

10280 P/045/62/022/001/001/001 B125/B102

24,2200

AUTHOR:

Zietek, Walerian

TITLE:

On magnetic structures in the uniaxial ferromagnetic single crystal

PERIODICAL: Acta Physica Polonica, v. 22, no. 1(7), 1962, 37 - 64

TEXT: Normally the Bloch structure and the Landau-Lifshits structure of uniaxial ferromagnetic single crystals are calculated under very general conditions. The present method is more consistent because it takes account of the magnetic interaction in the Hamiltonian; also it takes more account of the lattice structure than the earlier methods do. However, only interactions between nearest neighbors are considered. The outer magnetic field as well as the influence of the classical dipole interaction and of magnetostriction are neglected. The Bloch wall and the marginal domains can be calculated without introducing artificial approximate assumptions but the calculations are extensive. Restricted to the terms which are bilinear in the spin operators the Hamiltonian reads: H = $\sum P^{\alpha\beta}$, S^{α} , S^{β}

Card 1/4

P/045/62/022/001/001/001 B125/B102 On magnetic structures in the ... using the designations of Zietek (Acta phys. Polon., 21, 175 (1962)). takes account of the isotropic exchange interaction (with the negative Heisenberg exchange integral A) and of the anisotropic pseudodipole interaction (positive coupling constant C). On these assumptions the magnetic structure of the inner layer has a kind of rotation invariant with respect to the hexagonal axis. The minimum mean energy of the inner layer is: $h_0^{\text{I}} = 3\text{nS}^2(A_a + C_a) + 2\text{nS}^2(A_b - 2C_b) + (3/2)\text{naS}^2\Delta^{-1} \left\{2 \left(4A_a + C_a\right)\left(3C_a - 4C_b\right)\right\}^{1/2}$. The limiting process $\Delta \to \infty$ ($C_a = C_b = 0$ respectively) ensures correspondence with the isotropic ferromagnetic crystal. The Bloch walls in the marginal layer are strongly displaced and the inner domains of the Bloch structure are truncated considerably. On the crystal surface, free magnetic poles must be visible. The broader the elementary domains, the thinner is the marginal layer. In the Bloch structure the breadth of the elementary domains is $\Delta_B = 2((2/3\varepsilon)aL_x)^{1/2}(W/G)^{1/4}$ Card 2

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	$h_0^{\min} = -E_0 - E_0' + E_0'' \sqrt{\frac{\varepsilon}{2}}$	(5.4),	
1	$E_0'' = 6S^2 L_1 L_2 V_0^{-1} (3a GL_3)^{\frac{1}{2}} (IVG)^{\frac{1}{2}} > 0$	(5.5)	
and in the Landau	u-Lifshits structure		i
	$\Delta_L = 2 \left(\frac{1}{3\varepsilon'} \alpha L_3 \right)^{\frac{1}{3}} (1 \overline{V}/G)^{\frac{1}{3}},$	(5.6),	1
	$\tilde{h}_0^{\min} = -E_0 - \frac{1}{2}E_0' + \frac{1}{3}E_0'' \sqrt{\varepsilon'}$	(5.7)	•
with			,
	$-E_0 = 3NS^3(A_a + C_a) + 2NS^3(A_b - 2C_b) < 0,$	(5.2)	V
	$E_0' = 3N_{13}S^2ab^{-1}\sqrt{IVG} > 0,$		•
•	$W = -2(4A_a + C_a) > 0,$		
Card 3/4	$G = 4C_b^3 - 3C_a > 0$		

On magnetic structures in the...

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B125/B102

and (5.5). With both these structures the breadth of the elementary domains depends only on the crystal thickness L₃ in the hexagonal direction. The Landau-Lifshits structure is more favorable if L₃ > L⁰, the Bloch structure if L₃ < L⁰. Systematic observations of the structure existing in thick single crystals having different thickness but the same shape are desirable. There are 20 figures.

ASSOCIATION: Institute of Theoretical Physics, University of Wrocław;
Physics Institute of the Polish Academy of Sciences,

Department Wrocław

SUBMITTED: October 24, 1961

ZIETEK, W.

Quantum theoretical deduction of the magnetic structure of anisotropic ferromagnetic monocrystals. Bul Ac Pol mat 9 no.3:221-224 '61.

1. Instytut Fizyki, Universytet, Wroclaw i Instytut Fizyki, Oddzial Wroclaw Polska Akademia Nauk. Presented by W. Rubinowicz.

(Crystallography) (Magnetic materials)

TOTA DE SETUR - LEGITATIONES MAIS LEVITO E CHERO DHORM SETUDIANO TERRORADA PROCESSO E DE

SERAFINSKA, Daniela; mgr.; ZIETKIEWICZ, Witold.

Influence of the bacterial flora on the acceptance of skin grafts in burns. Pol. tyg. lek. 20 no.11:392-394 15 Mr 165

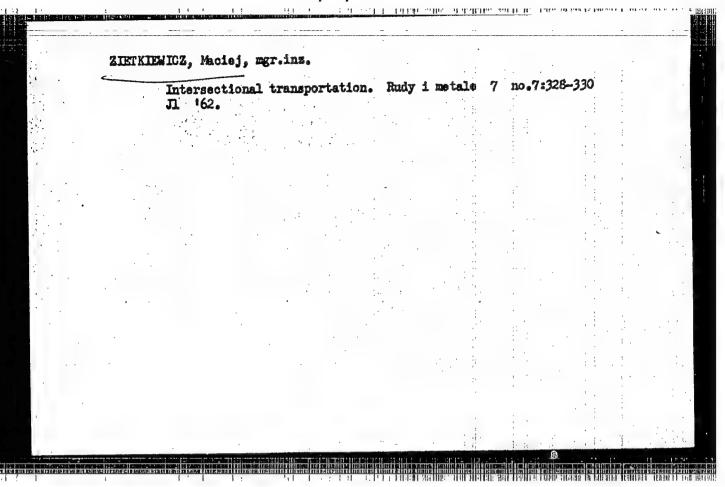
1. Z Pracowni Mikrobiologii Instytutu Hematologii (Kierownik: mgr. D. Serafinska) i z Kliniki Chirungiannaj Instytutu Hematologii (Kierownik: doc. dr. rad. Andreai Trajarowski) decaredl) prof. dr. med. W. Midowski.

CZAYKOWSKI, Leszek E.; ZIETKIEWICZ, Jamina Results of synovectomy in chronic gonitis in children. Chir. narzad. ruchu ortop. Pol. 28 no.7:719-722 '63 1. Z Panstwowego Sanatorium Gruzlicy Kostno-Stawowej im. J. Krasickiego w Otwocku (Dyrektor: dr. J. Sowinski).

BOREJKO, Maria; SOWINSKI, Jerzy; ZIETKIEWICZ, Janina

Case of tuberculosis ossium pseudocystica multiplex. Pol. tyg.
1ek. 20 no.38:1427-1429 20 S *65.

1. Z Sanatorium Gruzlicy Kostno-Stawowej im. J. Krasickiego w
Otwocku (Dyrektor: dr. med. Jerzy Sowinski).



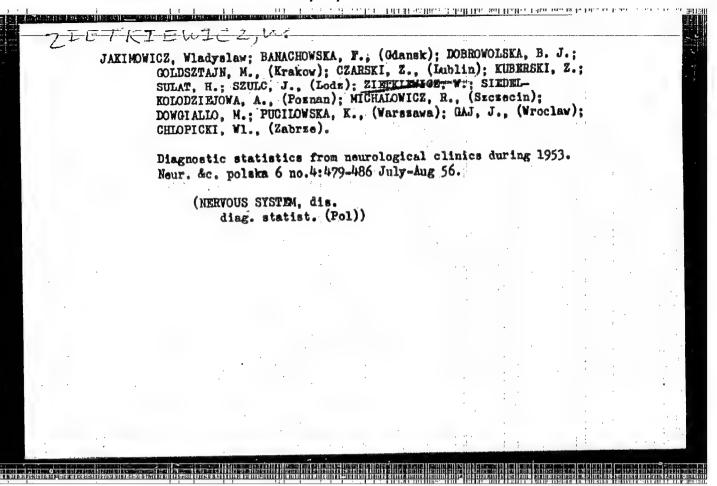
ZIETKIEWICZ, Witold: NASILOWSKI, Wieslaw

Homo-transplantation of the skin in the treatment of burns. Polski tygod.lek. 15 no.37:1406-1408 12 S '60.

1. Z Oddzielu Chirurgicznego Instytutu Hematologii; dyrektor: doc. dr med. A.Trojanowski.

(SKIN TRANSPLANTATION)

(BURNS surg)



ZIETKIEWICZ, Witold

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Effect of general systematic factors on the acceptance of skin grafts in burns. Pol. tyg. lek. 20 no.11:390-392 15 Mr. 65.

Transplantation of preserved autologous skin grafts. Ibid.: 394-395

Effect of cooling on the reduction of the depth and duration of tissue overheating in burns. Ibid.:395-396

"In vitro" digestion of burned necrotic skin by means of enzymes. Ibid.:396-398.

A new model of razor-blade dermatcme. Ibid.: 402-403

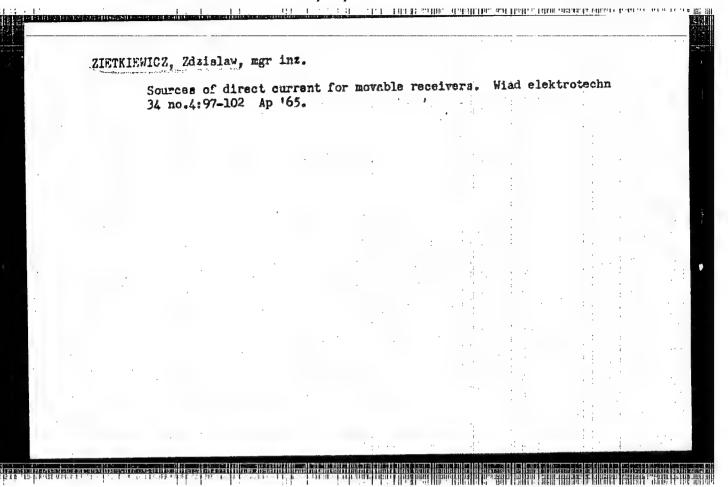
Antidoubitus saline bed. Ibid.:406-407

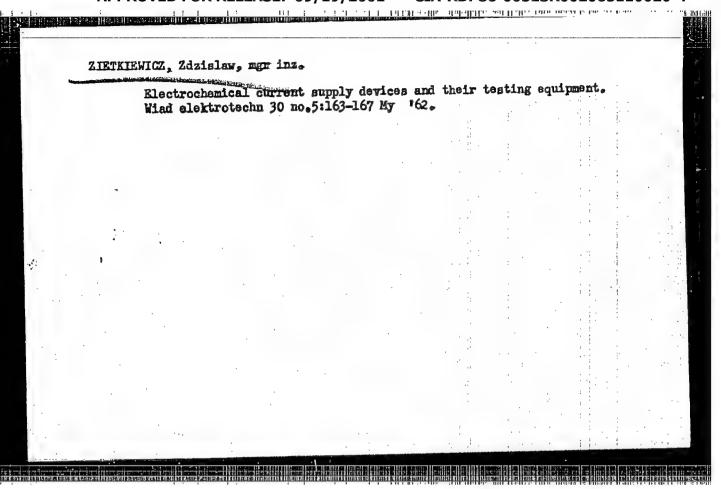
1. Z Kliniki Chirurgicznej Instytutu Hematologii (Kierownik Kliniki: doc. dr. med. A. Trojanowski [deceased] i prof. dr. med. Witold Rudowski.

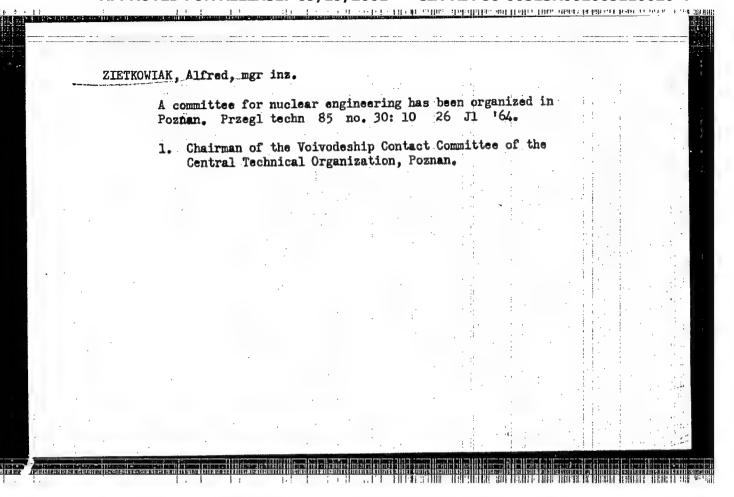
SIGMSKA-SCHWITT, Janina; ZISTKIEGICZ, Witold

Bacterial flora of burns. Pol. tyg. lek. 20 no.11:283-385 15 Mr. 65.

1. 1. Z Pracowni Mikrobiologii Instytutu Hematologii (Kierownika Pracownia dr. J. Blomaka-Schmitt) oraz z Kliniki Chirurgioznej Instytutu Hematoligii (Kierownika doc. dr. med. Andrzej Trojanowski [deceased] i prof. dr. med. Witold Budowski.).







BONARER Edmund, mgr inz.; HANUS, Danuta, mgr inz.; ZIETY, Jan, mgr

Asthods of processing waste electrolytes from copper refineries.

Rudy i metale 10 no.2:68-72 F '65.

MINKEVICIUS, A., glav. red.; KRIAUCIUNAS, J., red.; MASTAUSKIS, St., red.; SLAUTA, V., red.; STRUKCINSKAS, M., red.; ZAJANCKHUSKAS, P., red.; ZIEVYTE, Z., red.; SADAUSKAITE, A., red.; SARKA, S., tekhn. red.

[Practices in controlling plant diseases, peats, and veeds]Praktiskos kovos priemones pries augalu ligas, kenkejus ir piktzoles; straipsniu rinkinys. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 165 p.

1. Lietuvos TSR Mokslu Akademija, Vilna. Botanikos institutas.

(Lithuania—Plant, Protection of)

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ZIGANGIROV, A.M.; SERGEYEV, L.I.; YUSUPOV, V.G.

Bioelectrical potentials in the yearly cycle of the development of wild roses. Trudy Inst. biol. UPAN SSSR no. 43:103-105 65 (MIRA 19:1)

1. Institut biologii Bashkirskogo gosudarstvennogo universiteta.

POLOZHENTSEV, I.P.; ZIGANGIROV, A.M.

Pine forests of the Southern Urals. Priroda 49 no.7:
74-76 Jl '60. (MIRA 13:7)

1. Bashkirskaya lesnaya opytnaya stantsiya Veesoyusnogo nauchne-issledovatel'akogo instituta lesovodstva i mekhanizatsii lesnogo khoxyayatva, Ufa.
(Ural Mountains-Pine)

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AUTHOR: Zigangirov, K.Sh.

TITLE: The normal distribution expression of the Val'd (WALD)

distribution

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 1, 1962,

164 - 166

TEXT: M.S. Bartlett, using the mechanism of the diffusion processes theory (Ref. 2: The large sample theory of sequential tests, Proc. Cambridge Philos. Soc., 1945, 42, 239) has given an approximate expression for the distribution function of duration of sequential tests in terms of the normal distribution function. For the same case Val'd has obtained from the characteristic function the following expression for the distribution function of test durations

 $P_{c}(t) = \frac{\sqrt{c}}{\sqrt{2\tau}} \int_{0}^{t} \tau^{-\frac{3}{2}} e^{-\frac{c}{2}(\tau + \frac{1}{\tau} - 2)} d\tau, \qquad (1)$

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where t-time, referred to the average test duration. In the present short communication the author shows that the Val'd distribution may be expressed by normal distribution in the form of

$$P_{c}(t) = \Phi(\frac{t-1}{\sqrt{t}} V_{c}) + e^{2c}\Phi(-\frac{t+1}{\sqrt{t}} V_{c})$$
 (3)

where $\Phi(x) = \frac{1}{\sqrt{2}} \int_{-\infty}^{x} e^{-\frac{y^2}{2dy}}$ - the normal distribution function.

From it, using the asymptotic expressions for $\Phi(x)$, the resolution of $P_c(t)$ is obtained for two limiting cases; the condition $t \ll \min$ (1, c) and for $t \gg \max(1/c, 1)$. The author acknowledges the help of A.Ye. Basharinov and B.S. Fleyshman. There are 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: M.S. Bartlett, the large sample theory of sequential tests, Proc. Cambridge Philos. Soc., 1945, 42, 239.

SUBMITTED: January 4, 1961 Card 2/2

l,5026 S/109/63/008/001/003/025 D262/D308

6,9600 6,9700 AUTHOR:

Zigangirov, K. Sh.

TITLE:

Search problem in a system with finite number of

positions

PERIODICAL: Radiotekhnika i elektronika, v. 8, no. 1, 1963, 16-23

TEXT: Sequential and self-tuning search procedures are analyzed and compared showing the superiority in speed of the self-tuning system. It is assumed that signal is present only in one of n channels, with equal likelihood for all channels. The search appropriate converts output values from channels into logarithms of paratus converts output values from channels into logarithms of probability ratios and compares them with threshold values. Proprobabilities of false alarm and of missed signal, and of average babilities of false alarm and of missed signal, are calculated search durations, with signal present or absent, are calculated search durations, with signal present or absent, are calculated ing in the channel for which the instant probability of the signal ing in the channel for which the instant probability of the signal the channel for which the instant probability of the signal presence is at maximum. If several channels are equally suspect, the channel to be searched is selected among them, the chance of

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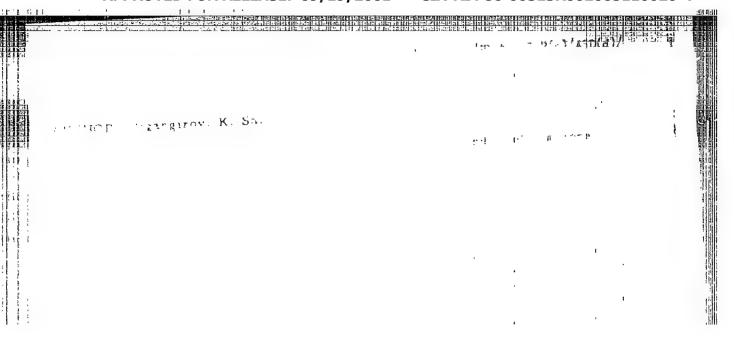
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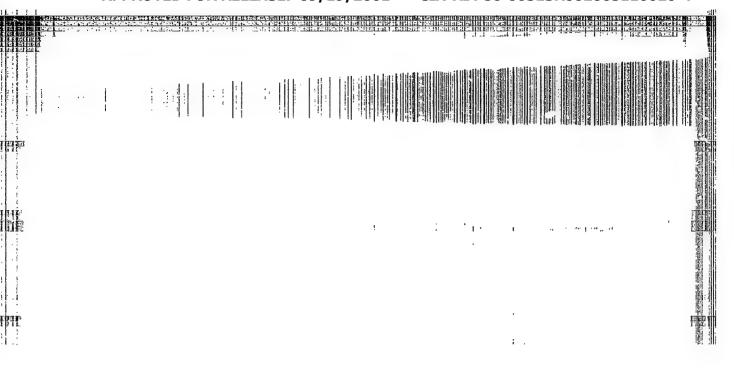
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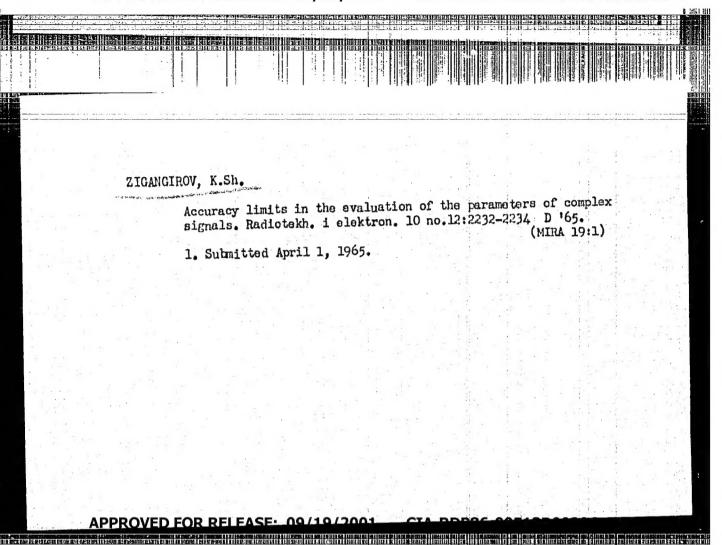
selection being equal for all channels. The search is finished when the probability ratio logarithm exceeds a predetermined value signifying that signal is present, or when logarithms in all channels are below a value signifying that there is no signal. The case is analyzed in detail when probability logarithms vary at the instant of sampling as continuous normal random values, with dependent variations. The comparison of sequential and self-tuning systems shows that probability of false alarm (only if it is small), the probability of missing the signal, and search duration in the absence of signal are all approximately equal for both systems. When, however, the signal is received, search duration is shorter in the self-tuning system. The self-tuning system requires double memory capacity in comparison with the sequential system. The method adopted for calculating the duration of search is fully explained in the appendix. Guidance by A.Ys. Basharinov is acknowledged. There is 1 figure.

SUBMITTED: December 19, 1961

Card 2/2







L 30395-66 EWT(d)/T/EWP(1) LJP(c) GG/BB ACC NR. AP6005869 SOURCE CODE: UR/0406/65/001/003/0118/0121. AUTHOR: Zigangirov, K, Sh, ORG: None TITLE: A nonparametric criterion for a comparison of selections SOURCE: Problemy peredacht informatsii, v. 1, no. 3, 1965, 118-121 TOPIC TAGS: pattern recognition, mathematic method ABSTRACT: The part of the statistical problem of image discrimination that pertains to (Pattern recognition, according to a prescribed set of characteristics is applied in diagnostics (technical and medical), in the development of reading machines, and in the classification of (Icchnical and medical), in the development of reading machines, and in the EEE Trans. Inform. signals in radiolocation. A problem close to this was studied in the EEE Trans. Inform. (I. W. Carlyle, I. B. Thomas. On nonparametric signal detectors. EEE Trans. Inform. (I. W. Carlyle, I. 9, 146-152.) with nonparametric criteria being used for its solution. In the solution of real recognition problems the nature of general sets is often unknown, and it necessary to use nonparametric criteria. Specifically, in the Solution of problems on a comparison of two selections, use is made of the rank criteria of Kolmogorov-Smirnov and comparison of two selections, use is made of the rank criteria of Kolmogorov-Smirnov and vice comparison of two selections, use is made of the rank criteria of Kolmogorov-Smirnov and comparison of two selections, use is made of the rank criteria of Kolmogorov-Smirnov and the Wilcoxon. The present author investigates a rank criterion which is almost as effective as the Wilcoxon criterion, but is free of the latter's short-comings. The study is limited to the	
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ZIGANGIROV, K.Sh. One nonparametric criterion for the comparison of samples. Probl. pered. inform. 1 no.3:118-121 '65. (MIRA 18:11)
One nonparametric criterion for the comparison of samples. Probl. pered. inform. 1 no.3:118-121 '65. (MIRA 18:11)
One honparametric crim. 1 no.3:118-121 '65. (MIRA 18:11) Probl. pered. inform. 1 no.3:118-121
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